



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

Loren J. Field, et al.

Serial No.: 10/024,066

Filed: December 18, 2001

CARDIOMYOCYTES WITH ENHANCED
PROLIFERATIVE POTENTIAL, AND

METHODS FOR PREPARING AND USING SAME) December 20, 2005

) Before the Examiner

) Daniel M. Sullivan

)

) Group Art Unit

) 1636

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INFORMATION DISCLOSURE STATEMENT

Mail Stop AMENDMENT

Commissioner for Patents

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Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97, and 1.98, Applicant requests consideration of the references listed on the attached PTO/SB/08 forms and/or the additional information identified below.

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12/23/2005 DTESSEM1 00000071 10024066

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Information Disclosure Statement

Serial No. 10/024,066

Group Art Unit 1636

Attorney Dkt. No. 7037-450

Page 1 of 2

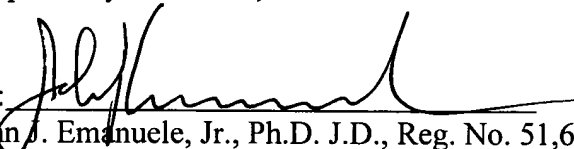
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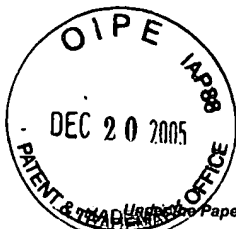
This information Disclosure Statement is submitted after three months from the filing date and after the first Office Action on the merits, but prior to the mailing date of a final Office Action or Notice of Allowance, and thus a fee of \$180.00 (set forth in 37 CFR §1.17(p)) is enclosed. The Commissioner is hereby authorized to debit any additional fee or credit any overpayment to Deposit Account No. 23-3030, but not to include any payment of issue fees.

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Respectfully submitted,

By: 

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PTO/SB/08A (09-03)

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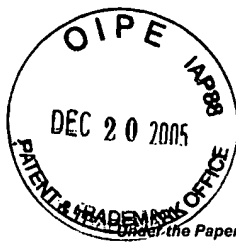
Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/024,066
				Filing Date	12/18/2001
				First Named Inventor	Loren J. Field
				Group Art Unit	1636
				Examiner Name	Daniel M. Sullivan
Sheet	1	of	4	Attorney Docket Number	7037-450
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		5,688,665	11-18-1997	Massague et al	
		5,821,234	10-13-1998	Dzau	
		5,869,640	02-09-1999	Beach	

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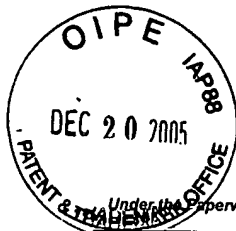
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				Group Art Unit		1636	
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Sheet	2	of	4	Attorney Docket Number		7037-450	
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite ¹ No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ²	Number ³ Kind Code ⁴ (if known)				
		WO 99/49015	A2	09-30-1999	Zymogenetics, Inc.		

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Sheet	3	of	4	Attorney Docket Number	7037-450
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. 1	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published			T ²
		ALT ET AL, "Phosphorylation-dependent regulation of cyclin D1 nuclear export and cyclin D1-dependent cellular transformation", Genes & Development, 2000, Vol./Issue No. 14, pp. 3102-3114, Cold Springs Harbor Laboratory Press			<input type="checkbox"/>
		BENZENO ET AL, "C-terminal Sequences Direct Cyclin D1-CRM1 Binding", The Journal of Biological Chemistry, 2004, Vol./Issue No. 279/53, pp. 56061-56066			<input type="checkbox"/>
		BROOKS, GAVIN ET AL., "Expression and Activities of Cyclins and Cyclin-Dependent Kinases in Developing Rat Ventricular Myocytes", Jnl Molecular & Cellular Cardiology, 1997, Vol./Issue No. 29/8, pp. 2261-2271			<input type="checkbox"/>
		DIEHL ET AL, "A Dominant-Negative Cyclin D1 Mutant Prevents Nuclear Import of Cyclin-Dependent Kinase 4 (CDK4) and Its Phosphorylation by CDK-Activating Kinase", Molecular and Cellular Biology, Dec. 1997 Vol./Issue No. 17/12 pp. 7362-7374			<input type="checkbox"/>
		DIEHL ET AL, "Glycogen synthase kinase-3 β regulates cyclin D1 proteolysis and subcellular localization", Genes & Development, 1998, Vol./Issue No. 12, pp. 3499-3511, Cold Springs Harbor Laboratory Press			<input type="checkbox"/>
		FUKUDA ET AL., "Angiotensin II Potentiates DNA Synthesis in AT-1 Transformed Cardiomyocytes", J Mol Cell Cardiol, 1998, Vol./Issue No. 30, pp. 2069-2080, Academic Press			<input type="checkbox"/>
		GERMAIN ET AL, "Ubiquitination of Free Cyclin D1 Is Independent of Phosphorylation on Threonine 286", The Journal of Biological Chemistry, 2000, Vol./Issue No. 275/16, pp. 12074-12079			<input type="checkbox"/>
		HAUK ET AL, "E2F-1 Induces Cell Cycle Reentry in Cardiomyocytes through Release of k1p1/cip cdk Inhibitors", Circulation, 10-27-1998, Vol./Issue No. 98/17 Suppl., pp. I 262			<input type="checkbox"/>
		HOLLYOAKE ET AL, "The Normal Cell Cycle Activation Program is Exploited During the Infection of Quiescent B Lymphocytes by Epstein-Barr Virus", Cancer Research, 11-01-1995, Vol./Issue No. 55, pp. 4784-4787			<input type="checkbox"/>
		KATZ, E. ET AL., "Cardiomyocyte Proliferation in Mice Expressing γ -Cardiac Myosin Heavy Chain-SV40 T-Antigen Transgenes", Am. J. Phys. (Heart and Circulatory Physiology 31), 1992, Vol./Issue No. 262 pp. 1867-1876			<input type="checkbox"/>
		KIYOKAWA, HIROAKI ET AL, "Cloning of D-type Cyclin from Murine Erythroleukemia Cells", Proc. Natl. Acad. Sci. USA, March 1992, Vol./Issue No. 89, Cell Biology, pp. 2444-2447			<input type="checkbox"/>
		MCEWAN ET AL., "Differential Effects of Angiotensin II on Cardiac Cell Proliferation and Intramyocardial Perivascular Fibrosis In Vivo", Circulation, 1998, Vol./Issue No. 98, pp. 2765-2773			<input type="checkbox"/>
		NOMURA, N., ET AL., "Human mRNA for KIAA0076 Gene, Complete CDS, Database EMBL 'Online', Retrieved from EBI, November 3, 1994, Vol./Issue No. EBI Database Accession No. D38548, abstract			<input type="checkbox"/>
Examiner Signature				Date Considered	

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Sheet	4	of	4			
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. 1	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published				T²
		SWEENEY ET AL., "Cyclin D2 activates Cdk2 in preference to Cdk4 in human breast epithelial cells, Oncogene, 1997, Vol./Issue No. 14, pp. 1329-1340, Stockton Press				<input type="checkbox"/>
		TAMAMORI ET AL., "Essential Roles for G1 Cyclin-Dependent Kinase Activity in Development of Cardiomyocyte Hypertrophy", Am. Jnl. of Physiology, December 1998, Vol./Issue No. 275 (6Pt.2), pp. H2036-H2040				<input type="checkbox"/>
		TSAI, SHIH-CHONG, "Tumor Suppressor Pathway in Myocardium (RAD50, Phosphoproteins)", Dissertation Abstracts International, February 1999, AAD99-19502, Vol./Issue No. Figures 1D and 1E, pp. 190-193, Michigan				<input type="checkbox"/>
		TSAI, SHIH-CHONG ET AL., "Simian virus 40 large T antigen binds a novel Bcl-2 homology domain 3-containing proapoptosis protein in the cytoplasm.", Journal of Biological Chemistry, February 4, 2000, Vol./Issue No. Vol. 275, No. 5, pp. 3239-3246				<input type="checkbox"/>
		XIONG ET AL., "Molecular Cloning and Chromosomal Mapping of CCND Genes Encoding Human D-type Cyclins", Genomics, 1992, Vol./Issue No. 13, pp. 575-584				<input type="checkbox"/>

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